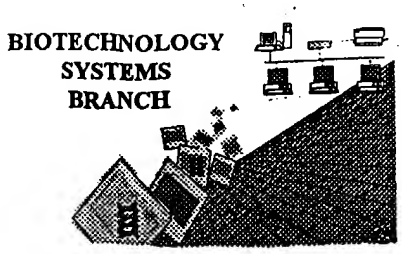

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: US/09/195,368B
Source: IFW16
Date Processed by STIC: 10-28-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):** U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED | **SUGGESTED CORRECTION** | **SERIAL NUMBER:** US/09/195,368B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."

2____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5____ Variable Length — Sequence(s)____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing

6____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7____ Skipped Sequences (OLD RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES" response to include the skipped sequences

8____ Skipped Sequences (NEW RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence
<210> sequence id number
<400> sequence id number
000

9____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents

10____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species) <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11____ Use of <220> — Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFW16

RAW SEQUENCE LISTING DATE: 10/28/2004
PATENT APPLICATION: **US/09/195,368B** TIME: 15:22:51

Input Set : **A:\P1150R2.txt**
Output Set: **N:\CRF4\10282004\I195368B.raw**

W--> 1 **Patin Docket Preview** — delete
7 <110> APPLICANT: Ashkenazi, Avi J.
8 Baker, Kevin P.
9 Godowski, Paul J.
10 Gurney, Austin L.
11 Mark, Melanie R.
12 Marsters, Scot A.
13 Pitti, Robert M.
15 <120> TITLE OF INVENTION: DNA19355 Polypeptide, A Tumor Necrosis Factor Homolog
17 <130> FILE REFERENCE: P1150R2
19 <140> CURRENT APPLICATION NUMBER: US 09/195,368B
20 <141> CURRENT FILING DATE: 1998-11-18
22 <150> PRIOR APPLICATION NUMBER: US 60/069,661
23 <151> PRIOR FILING DATE: 1997-12-12
25 <150> PRIOR APPLICATION NUMBER: US 60/065,635
26 <151> PRIOR FILING DATE: 1997-11-18
28 <160> NUMBER OF SEQ ID NOS: 15
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 177
32 <212> TYPE: PRT
33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 1

Does Not Comply
Corrected Diskette Needed
(Pg. 1, 3-4)

```
36  Met Cys Leu Ser His Leu Glu Asn Met Pro Leu Ser His Ser Arg
37    1               5                  10                  15
39  Thr Gln Gly Ala Gln Arg Ser Ser Trp Lys Leu Trp Leu Phe Cys
40                  20                  25                  30
42  Ser Ile Val Met Leu Leu Phe Leu Cys Ser Phe Ser Trp Leu Ile
43                  35                  40                  45
45  Phe Ile Phe Leu Gln Leu Glu Thr Ala Lys Glu Pro Cys Met Ala
46                  50                  55                  60
48  Lys Phe Gly Pro Leu Pro Ser Lys Trp Gln Met Ala Ser Ser Glu
49                  65                  70                  75
51  Pro Pro Cys Val Asn Lys Val Ser Asp Trp Lys Leu Glu Ile Leu
52                  80                  85                  90
54  Gln Asn Gly Leu Tyr Leu Ile Tyr Gly Gln Val Ala Pro Asn Ala
55                  95                 100                 105
57  Asn Tyr Asn Asp Val Ala Pro Phe Glu Val Arg Leu Tyr Lys Asn
58                 110                 115                 120
60  Lys Asp Met Ile Gln Thr Leu Thr Asn Lys Ser Lys Ile Gln Asn
61                 125                 130                 135
63  Val Gly Gly Thr Tyr Glu Leu His Val Gly Asp Thr Ile Asp Leu
64                 140                 145                 150
66  Ile Phe Asn Ser Glu His Gln Val Leu Lys Asn Asn Thr Tyr Trp
```

RAW SEQUENCE LISTING DATE: 10/28/2004
PATENT APPLICATION: **US/09/195,368B** TIME: 15:22:51

Input Set : **A:\P1150R2.txt**
Output Set: **N:\CRF4\10282004\I195368B.raw**

155 160 165
Gly Ile Ile Leu Leu Ala Asn Pro Gln Phe Ile Ser
170 175

<210> SEQ ID NO: 2
<211> LENGTH: 1964
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: unsure
<222> LOCATION: 1857, 1875
<223> OTHER INFORMATION: n may be any nucleotide
<400> SEQUENCE: 2

cagctctcat ttctccaaaa atgtgtttga gccacttgga aaatatgcct 50
ttaagccatt caagaactca aggagctcag agatcatcct ggaagctgtg 100
gctcttttgc tcaatagtta tgttgctatt tctttgctcc ttcagttggc 150
taatctttat ttttctccaa ttagagactg ctaaggagcc ctgtatggct 200
aagtttggac cattaccctc aaaatggcaa atggcatctt ctgaacctcc 250
ttgcgtgaat aaggtgtctg actggaagct ggagatactt cagaatggct 300
tatatttaat ttatggccaa gtggctccca atgcaaacta caatgatgta 350
gctccttttg aggtgcggct gtataaaaac aaagacatga tacaaactct 400
aacaaacaaa tctaaaatcc aaaatgtagg agggacttat gaattgcatg 450
ttggggacac catagacttg atattcaact ctgagcatca ggttctaaaa 500
aataatacat actggggtat cattttacta gcaaatcccc aattcatctc 550
ctagagactt gatttgatct cctcattccc ttcagcacat gtagaggtgc 600
cagtgggtgg attggaggga gaagatattc aatttctaga gtttgtctgt 650
ctacaaaaat caacacaaac agaactcctc tgcacgtgaa ttttcatcta 700
tcatgcctat ctgaaagaga ctcaggggaa gagccaaaga cttttggttg 750
gatctgcaga aatacttcat taatccatga taaaacaaat atggatgaca 800
gaggacatgt gcttttcaaa gaatctttat ctaattcttg aattcatgag 850
tggaaaaatg gagttctatt cccatggaag atttacctgg tatgcaaaaa 900
ggatctgggg cagtagcctg gctttgttct catattcttg ggctgctgta 950
attcattctt ctcatactcc catcttctga gaccctccca ataaaaagta 1000
gactgatagg atggccacag atatgcctac cataccctac tttagatatg 1050
gtggtgttag aagataaaga acaatctgag aactattgga atagaggtac 1100
aagtggcata aaatggaatg tacgctatct ggaaatttct cttggtttta 1150
tcttcctcag gatgcagggt gctttaaaaa gccttatcaa aggagtcatt 1200
ccgaaccctc acgtagagct ttgtgagacc ttactgttgg tgtgtgtgtc 1250
taaacattgc taattgtaaa gaaagagtaa ccattagtaa tcattaggtt 1300
taaccccaga atggtattat cattactgga ttatgtcatg taatgattta 1350
gtatttttag ctagctttcc acagtttgca aagtgctttc gtaaaacagt 1400
tagcaattct atgaagttaa ttgggcaggc atttgggggа aaatttttagt 1450
gatgagaatg tgatagcata gcatagccaa ctttcctcaa ctcataggac 1500
aagtgactac aagaggcaat gggtagtccc ctgcattgca ctgtctcagc 1550
tttagaattg ttatttctgc tatcgtgtta taagactcta aaacttagcg 1600
aattcacttt tcaggaagca tattcccctt tagcccaagg tgagcagagt 1650
gaagctacaa cagatctttc ctttaccagc acacttttttt ttttttttcc 1700
tgcctgaatc agggagatcc aggatgctgt tcaggccaaa tcccaaccaa 1750
attccccttt tcactttgca gggcccatct tagtcaaatg tgctaacttc 1800
taaaataata aatagcacta attcaaaatt tttggaatct taaattagct 1850

RAW SEQUENCE LISTING DATE: 10/28/2004
PATENT APPLICATION: **US/09/195,368B** TIME: 15:22:51

Input Set : **A:\P1150R2.txt**
Output Set: **N:\CRF4\10282004\I195368B.raw**

Mandatory, if <213> response is Artificial/ Unknown, pls explain in section <220> - <223>.

W--> 157 **acttgcnggt tgcttgttga aaggnatata atgattacat tgtaaacaaa 1900**
159 tttaaaatat ttatggatat ttgtgaaaag ctgcattatg ttaaataata 1950
161 ttacatgtaa agct 1964
163 <210> SEQ ID NO: 3
164 <211> LENGTH: 38
165 <212> TYPE: DNA
166 <213> ORGANISM: Unknown
168 <220> FEATURE:
W--> 169 **<221> NAME/KEY: Unknown Organism** — delete
170 <222> LOCATION: 1-38
171 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown — Invalid Response
173 <400> SEQUENCE: 3
174 gacgacaagc atatgttaga gactgctaag gagccctg 38
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 34
178 <212> TYPE: DNA
179 <213> ORGANISM: Unknown
181 <220> FEATURE:
W--> 182 **<221> NAME/KEY: unknown organism** — delete
183 <222> LOCATION: 1-34
184 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown — Invalid Response
186 <400> SEQUENCE: 4
187 tagcagccgg atcctaggag atgaattggg gatt 34
189 <210> SEQ ID NO: 5
190 <211> LENGTH: 24
191 <212> TYPE: PRT
192 <213> ORGANISM: Unknown
194 <220> FEATURE:
W--> 195 **<221> NAME/KEY: unknown organism** — delete
196 <222> LOCATION: 1-24
197 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown — Invalid Response
199 <400> SEQUENCE: 5
200 Met Gly His His His His His His His His His Ser Ser Gly
201 1 5 10 15
203 His Ile Asp Asp Asp Asp Lys His Met
204 20
206 <210> SEQ ID NO: 6
207 <211> LENGTH: 29
208 <212> TYPE: DNA
209 <213> ORGANISM: Unknown
211 <220> FEATURE:
W--> 212 **<221> NAME/KEY: unknown organism** — delete
213 <222> LOCATION: 1-29
214 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown — Invalid Response
216 <400> SEQUENCE: 6
217 atcagggact ttccgctggg gactttccg 29
219 <210> SEQ ID NO: 7
220 <211> LENGTH: 42
221 <212> TYPE: DNA

↑ pls see item # 11 on error summary sheet.

RAW SEQUENCE LISTING DATE: 10/28/2004
PATENT APPLICATION: **US/09/195,368B** TIME: 15:22:51

Input Set : **A:\P1150R2.txt**
Output Set: **N:\CRF4\10282004\I195368B.raw**

```
    222 <213> ORGANISM: Unknown
    224 <220> FEATURE:
W--> 225 <221> NAME/KEY: unknown organism
    226 <222> LOCATION: 1-42
    227 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
    229 <400> SEQUENCE: 7
    230  tgtaaaacga cggccagttt ctctcagaga aacaagcaaa ac 42
    232 <210> SEQ ID NO: 8
    233 <211> LENGTH: 43
    234 <212> TYPE: DNA
    235 <213> ORGANISM: Unknown
    237 <220> FEATURE:
W--> 238 <221> NAME/KEY: unknown organism
    239 <222> LOCATION: 1-43
    240 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
    242 <400> SEQUENCE: 8
    243  caggaaacag ctatgaccga agtggaccaa aggtctatcg cta 43
    245 <210> SEQ ID NO: 9
    246 <211> LENGTH: 126
    247 <212> TYPE: PRT
    248 <213> ORGANISM: Homo sapien
    250 <400> SEQUENCE: 9
    251  Glu Thr Ala Lys Glu Pro Cys Met Ala Lys Phe Gly Pro Leu Pro
    252    1               5                  10                  15
    254  Ser Lys Trp Gln Met Ala Ser Ser Glu Pro Pro Cys Val Asn Lys
    255                   20                  25                  30
    257  Val Ser Asp Trp Lys Leu Glu Ile Leu Gln Asn Gly Leu Tyr Leu
    258                   35                  40                  45
    260  Ile Tyr Gly Gln Val Ala Pro Asn Ala Asn Tyr Asn Asp Val Ala
    261                   50                  55                  60
    263  Pro Phe Glu Val Arg Leu Tyr Lys Asn Lys Asp Met Ile Gln Thr
    264                   65                  70                  75
    266  Leu Thr Asn Lys Ser Lys Ile Gln Asn Val Gly Gly Thr Tyr Glu
    267                   80                  85                  90
    269  Leu His Val Gly Asp Thr Ile Asp Leu Ile Phe Asn Ser Glu His
    270                   95                 100                 105
    272  Gln Val Leu Lys Asn Asn Thr Tyr Trp Gly Ile Ile Leu Leu Ala
    273                  110                 115                 120
    275  Asn Pro Gln Phe Ile Ser
    276                  125
    278 <210> SEQ ID NO: 10
    279 <211> LENGTH: 150
    280 <212> TYPE: PRT
    281 <213> ORGANISM: Homo sapien
    283 <400> SEQUENCE: 10
    284  Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro Gln Ala
    285    1               5                  10                  15
    287  Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu
    288                   20                  25                  30
```

RAW SEQUENCE LISTING DATE: 10/28/2004
PATENT APPLICATION: **US/09/195,368B** TIME: 15:22:51

Input Set : **A:\P1150R2.txt**
Output Set: **N:\CRF4\10282004\I195368B.raw**

```
290  Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser
291                  35                  40                  45
293  Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln
294                  50                  55                  60
296  Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg
297                  65                  70                  75
299  Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile
300                  80                  85                  90
302  Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
303                  95                 100                 105
305  Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu
306                 110                 115                 120
308  Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu
309                 125                 130                 135
311  Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
312                 140                 145                 150
314 <210> SEQ ID NO: 11
315 <211> LENGTH: 164
316 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapien
319 <400> SEQUENCE: 11
320  Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly Thr Arg Gly Arg
321    1               5                  10                  15
323  Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu
324                  20                  25                  30
326  Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser
327                  35                  40                  45
329  Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His
330                  50                  55                  60
332  Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe
333                  65                  70                  75
335  Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val
336                  80                  85                  90
338  Gln Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu
339                  95                 100                 105
341  Met Lys Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr
342                 110                 115                 120
344  Gly Leu Tyr Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu
345                 125                 130                 135
347  Asn Asp Arg Ile Phe Val Ser Val Thr Asn Glu His Leu Ile Asp
348                 140                 145                 150
350  Met Asp His Glu Ala Ser Phe Phe Gly Ala Gly Leu Val Gly
351                 155                 160
353 <210> SEQ ID NO: 12
354 <211> LENGTH: 141
355 <212> TYPE: PRT
356 <213> ORGANISM: Homo sapien
358 <400> SEQUENCE: 12
359  Glu Leu Arg Lys Val Ala His Leu Thr Gly Lys Ser Asn Ser Arg
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/28/2004
PATENT APPLICATION: **US/09/195,368B** TIME: 15:22:52

Input Set : **A:\P1150R2.txt**
Output Set: **N:\CRF4\10282004\I195368B.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1857,1875

VERIFICATION SUMMARY DATE: 10/28/2004
PATENT APPLICATION: **US/09/195,368B** TIME: 15:22:52

Input Set : **A:\P1150R2.txt**
Output Set: **N:\CRF4\10282004\I195368B.raw**

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1850
L:169 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:195 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:212 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:225 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:238 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8